

ABSTRACT**USER-PROPELLED RIDING TOYS AND METHODS**

This invention is a user-propelled riding toy. A platform on which a user stands is supported by a steering mechanism that transfers a directional force from the platform; and a geartrain mounts to the wheels. The geartrain is adapted to receive a downward force from the platform, and translate a portion of the downward force into a rotational force on the wheels. The geartrain also provides an upward return force acting on the platform, and translates a directional force into a lateral force acting on the wheels. The platform is propelled forward direction by the rotational force on the wheels. Lateral forces cause two sets of wheels to pivot in opposite directions, and thereby directionally steer the platform.

Atty. Docket No. 54151/292821